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Musier-Forsyth, K.; Seetharaman, M. Does Active Learning through an Antisense Jigsaw Make Sense? December, 1404–1407.
Muyskens, K. J.; Aumann, K.; Sinniah, K. Visualizing Atoms, Molecules and Surfaces by Scanning Probe Microscopy. February, 187–193.
Myers, S. A. The Molecular Model Game. April, 423–424.

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Nakhleh, M. B.; Herrington, D. G. What Defines Effective Chemistry Laboratory Instruction? Teaching Assistant and Student Perspectives. (CER) October, 1197–1205.
Nakhleh, M. B.; Malina, E. G. How Students Use Scientific Instruments To Create Understanding: CCD Spectrophotometers. (CER) June, 691–698.
Nameroff, T. ChemTechLinks· Alliances for Chemical Technician Education. (ACS) September, 993–995.
Nameroff, T. Enhancing Graduate Education in Chemistry: The ACS Office of Graduate Education. (ACS) July, 729–730.
Näther, C.; Jeß, I.; Herzog, S.; Teske, C.; Bluhm, K.; Pausch, H.; Bensch, W. A Graduate Course in Modern Analytical Methods: Investigating the Structure, Magnetic Properties, and Thermal Behavior of $CuSO_4 \cdot 5H_2O$. March, 320–325.
Neuschatz, M.; Ryan, M.; Wesemann, J.; Boese, J. M. A Snapshot of Chemistry Programs and Faculty at Two-Year Colleges. ($2YC_1$) February, 129–131.
Newitt, P.; Freasier, B.; Collins, G. A Web-Based Interactive Homework Quiz and Tutorial Package To Motivate Undergraduate Chemistry Students and Improve Learning. (TECH) November, 1344–1347.
Newton, R.; Benefiel, C.; Crouch, G. J.; Grant, K. Remote NMR Data Acquisition and Processing in the Organic Chemistry Curriculum. December, 1494–1496.
Newton, T. A. A Demonstration of Structure–Reactivity Relationships in Organic Chemistry. (TD) March, 294.
Nibler, J. W.; Masiello, T.; Vulpanovici, N. Fluorescence Lifetime and Quenching of Iodine Vapor. August, 914–917.
Nibler, J. W.; Melin, S. A Nonlinear Optical Experiment: Stimulated Raman Scattering in Benzene and Deuterated Benzene. October, 1187–1190.
Nickoles, E. J.; Birk, J. P.; Leedy, D. E.; Morgan, R. A.; Drake, M.; Lihs, F.; McKelvy, M. J. Dynamic Visualization in Chemistry: Abstract of Special Issue 31, a CD-ROM for Mac OS and Windows. (*JCE* Software) September, 1095–1096.
Nicoll, G. A Qualitative Investigation of Undergraduate Chemistry Students' Macroscopic Interpretations of the Submicroscopic Structures of Molecules. (CER) February, 205–213.
Noble, M. E. Out of the Blue. (*JCE* Classroom Activity) May, 536A–536B.
Noble, M. E.; Wellman, W. E. Greening the Blue Bottle. (TD) May, 537–540.
Norgaard, N. J.; Butcher, D. J.; Brandt, P. F.; Atterholt, C.; Salido, A. Sparky IntroChem: A Student-Oriented Introductory Chemistry Course. (NSF) February, 137–139.
Novak, I. The Microscopic Statement of the Second Law of Thermodynamics. December, 1428–1431.
Novodvorsky, I.; Talanquer, V.; Slater, T. F.; Tomanek, D. A Stronger Role for Science Departments in the Preparation of Future Chemistry Teachers. October, 1168–1171.
Nozawa, F.; Meyer, L. S.; Schmidt, S.; Panee, D. Using Demonstrations To Promote Student Comprehension in Chemistry. (TD) April, 431–435.

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O'Donnell, S. E.; Byrd, H. A General Chemistry Laboratory Theme: Spectroscopic Analysis of Aspirin. February, 174–176.
Ogilby, P. R.; Poulsen, L.; Ruiz, A. Z.; Pedersen, S. U. Characterizing the Behavior and Properties of an Excited Electronic State: Electron-Transfer Mediated Quenching of Fluorescence. July, 819–821.
Ogren, P. J.; Henry, I.; Fletcher, S. E.; Kelly, I. Chemical Applications of a Programmable Image Acquisition System. (CBB) June, 699–703.
Oliver-Hoyo, M. T. Designing a Written Assignment To Promote the Use of Critical Thinking Skills in an Introductory Chemistry Course. August, 899–903.
Ortega Retuerta, A.; López Martínez, M. C.; Díaz Baños, F. G.; García de la Torre, J. Multiple Linear Least-Squares Fits with a Common Intercept: Determination of the Intrinsic Viscosity of Macromolecules in Solution. September, 1036–1038.
Orvis, J. A.; Dimetry, B.; Winge, J. T.; Mullis, T. C. Studying a Ligand Substitution Reaction with Variable Temperature ^1H NMR Spectroscopy: An Experiment for Undergraduate Inorganic Chemistry Students. July, 803–805.
Orvis, J. N.; Koehler, B. P. Internet-Based Prelaboratory Tutorials and Computer-Based Probes in General Chemistry. (NSF) June, 606–608.
Oweimreen, G. A.; Hwang, J. S. The Solubility Product of $PbCl_2$ from Electrochemical Measurements. September, 1051–1052.

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Pagni, R. M. Techniques in Organic Chemistry: Miniscale, Standard Taper Microscale, and Williamson Microscale (by Jerry R. Mohrig, Christina Noring Hammond, Paul F. Schatz, and Terence C. Morrill). (BMR) April, 388–389.
Pagni, R. M.; Harris, H. H.; Kovac, J. D.; Coppola, B. P. Summer Reading. June, 598–605.
Paiva, J. C.; Gil, V. M.; Correia, A. F. Le Chat: Simulation in Chemical Equilibrium. (*JCE* Software) January, 111–112.
Palenik, G. J.; Jensen, W. P.; Suh, I. The History of Molecular Structure Determination Viewed through the Nobel Prizes. July, 753–761.
Paleologos, E. K.; Giokas, D. L.; Karayannis, M. I. Micelle-Mediated Extraction of Heavy Metals from Environmental Samples: An Environmental Green Chemistry Laboratory Experiment. January, 61–64.
Panee, D.; Meyer, L. S.; Schmidt, S.; Nozawa, F. Using Demonstrations To Promote Student Comprehension in Chemistry. (TD) April, 431–435.
Papadopoulos, N.; Limniou, M. pH Titration Simulator. (*JCE* Software) June, 709–710.
Paradis, J. A.; Sweeney, A. E. Addressing the Professional Preparation of Future Science Teachers To Teach Hands-On Science: A Pilot Study of a Laboratory Model. February, 171–173.
Parsons, A. F.; Hailstone, E.; Huther, N. A Polymer-Supported Organic Reaction: Seeing Is Believing. December, 1444–1445.
Patterson, B. M.; Danielson, N. D.; Lorigan, G. A.; Sommer, A. J. Analytical Molecular Spectroscopy Using Modular Systems. (CET) December, 1460–1463.
Patterson, H. O.; Shibley, I. A., Jr.; Milakofsky, L. M.; Bender, D. S. College Chemistry and Piaget: An Analysis of Gender Difference, Cognitive Abilities, and Achievement Measures Seventeen Years Apart. (CER) May, 569–573.
Pausch, H.; Näther, C.; Jeß, I.; Herzog, S.; Teske, C.; Bluhm, K.; Bensch, W. A Graduate Course in Modern Analytical Methods: Investigating the Structure, Magnetic Properties, and Thermal Behavior of $CuSO_4 \cdot 5H_2O$. March, 320–325.
Pedersen, S. U.; Poulsen, L.; Ruiz, A. Z.; Ogilby, P. R. Characterizing the Behavior and Properties of an Excited Electronic State: Electron-Transfer Mediated Quenching of Fluorescence. July, 819–821.
Pellino, J. L.; Moroz, J. A.; Field, K. W. A Series of Small-Scale, Discovery-Based Organic Laboratory Experiments Illustrating the Concepts of Addition, Substitution, and Rearrangement. (ML) November, 1319–1321.
Pence, H. E.; Torre, F.; Pence, L. E. ACS National Meeting. Program for the Division of Chemical Education: New Orleans, March 23–27, 2003. March, 234–246.
Pence, L. E.; Torre, F.; Pence, H. E. ACS National Meeting. Program for the Division of Chemical Education: New Orleans, March 23–27, 2003. March, 234–246.
Pence, L. E.; Workman, H. J.; Riecke, P. Effective Laboratory Experiences for Students with Disabilities: The Role of a Student Laboratory Assistant. March, 295–298.
Penker, W. C.; Elston, H. J. Funding Safety Activities in Secondary Schools. (ST) December, 1401–1402.
Perkins, R.; Mattson, B.; Fujita, J.; Catahan, R.; Cheng, W.; Greimann, J.; Hoette, T.; Khandhar, P.; Mattson, A.; Rajani, A.; Sullivan, P. Demonstrating Heterogeneous Gas-Phase Catalysis with the Gas Reaction Catalyst Tube. (TD) July, 768–773.
Pesterfield, L. L. Descriptive Inorganic, Coordination, and Solid-State Chemistry, 2nd Edition (by Glen E. Rodgers). (BMR) May, 491–492.
Pétursson, S. Three Forms of Energy. (RSA) July, 776–778.
Phelps, A. J.; Lee, C. The Power of Practice: What Students Learn from How We Teach. (CER) July, 829–832.
Pidello, A. Environmental Redox Potential and Redox Capacity Concepts Using a Simple Polarographic Experiment. January, 68–70.
Pienta, N. J. Chemical Education: Towards Research-Based Practice (by John K. Gilbert, Onno De Jong, Rosaria Justi, David Treagust, and Jan H. Van Driel). (BMR) December, 1387.
Pienta, N. J. Conceptual Chemistry: Understanding Our World of Atoms and Molecules (by John Suchocki). (BMR) July, 746–747.
Pienta, N. J. A Placement Examination and Mathematics Tutorial for General Chemistry. (NSF) November, 1244–1247.

Pierzynski, G.; Xia, K. Competitive Sorption between Oxalate and Phosphate in Soil: An Environmental Chemistry Laboratory Using Ion Chromatography. January, 71–75.
Pilon, A. M.; Millard, J. T. Identification of Forensic Samples via Mitochondrial DNA in the Undergraduate Biochemistry Laboratory. April, 444–446.
Pınarbaşı, T.; Canpolat, N. Students' Understanding of Solution Chemistry Concepts. (CER) November, 1328–1332.
Pinto, G.; Rohrig, B. Use of Chloroisocyanuarates for Disinfection of Water: Application of Miscellaneous General Chemistry Topics. (RSA) January, 41–44.
Plesniak, L. A.; Lowery, M. S. Some Like It Cold: A Computer-Based Laboratory Introduction to Sequence and Tertiary Structure Comparison of Cold-Adapted Lactate Dehydrogenases Using Bioinformatics Tools. (CIB) November, 1300–1302.
Poliks, M. D.; Stevens, E. S. Tensile Strength Measurements on Biopolymer Films. July, 810–812.
Polo, J.; Martínez-Jiménez, P.; Pontes-Pedrajas, A.; Climent-Bellido, M. S. Learning in Chemistry with Virtual Laboratories. (TECH) March, 346–352.
Pontes-Pedrajas, A.; Martínez-Jiménez, P.; Polo, J.; Climent-Bellido, M. S. Learning in Chemistry with Virtual Laboratories. (TECH) March, 346–352.
Poulsen, L.; Ruiz, A. Z.; Pedersen, S. U.; Ogilby, P. R. Characterizing the Behavior and Properties of an Excited Electronic State: Electron-Transfer Mediated Quenching of Fluorescence. July, 819–821.
Pounds, A. J. Mathematics for Chemistry and Physics (by George Turrell). (BMR) November, 1261–1262.
Previtali, G.; Giordano, W.; Domenech, C. E. Simple Experiments To Demonstrate Proton Flux in *Pseudomonas* after Alkaline or Acidic Stress. December, 1468–1470.
Price, M. L.; Grabowski, J. J. Simple HTML Templates for Creating Science-Oriented Jeopardy! Games for Active Learning. (*JCE* WebWare) August, 967.
Pronchik, J. N.; Williams, B. W. Exactly Solvable Quantum Mechanical Potentials: An Alternative Approach. August, 918–926.
Pruitt, C. ACS National Meeting. Presidential Events. August, 867.
Pungente, M. D.; Badger, R. A. Teaching Introductory Organic Chemistry: 'Blooming' beyond a Simple Taxonomy. July, 779–784.

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Qin, Y.; Hudgins, S.; Bakker, E.; Shannon, C. Palm-Based Data Acquisition Solutions for the Undergraduate Chemistry Laboratory. (TICI) November, 1303–1307.
Quattrin, F. E.; Bertoluzzo, M. G.; Bertoluzzo, S. M.; Rigatuso, R. Diffusion of Water through a Differentially Permeable Membrane. (*JCE* Classroom Activity) September, 1032A–1032B.
Quinsey, C. S. Oxygen—Abundant and Essential. October, 1124–1128.
Quintar, S. E.; Santagata, J. P.; Villegas, O. I.; Cortinez, V. A. Detection of Method Effects on Quality of Analytical Data: A Statistical Exercise. March, 326–329.

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Rabinovich, D. Chemical Bonding and Molecular Geometry: From Lewis to Electron Densities (by Ronald J. Gillespie and Paul L. A. Popelier). (BMR) January, 31.
Rabinovich, D. Organotransition Metal Chemistry (by Anthony F. Hill). (BMR) September, 1005–1006.
Raggio, R.; Sottofattori, E.; Bruno, O. Milk as a Drug Analysis Medium: HPLC Determination of Isoniazid. May, 547–549.
Rajab, H.; Ahmed, W.; Sein, H.; Jackson, M. Chemical Vapor Deposition of Diamond Coatings onto Dental Burrs. (POC) June, 636–641.
Rajani, A.; Mattson, B.; Fujita, J.; Catahan, R.; Cheng, W.; Greimann, J.; Hoette, T.; Khandhar, P.; Mattson, A.; Sullivan, P.; Perkins, R. Demonstrating Heterogeneous Gas-Phase Catalysis with the Gas Reaction Catalyst Tube. (TD) July, 768–773.
Ramette, R. W. Colorful Iodine. (Letter) August, 878.
Ramette, R. W. Why Does a Helium-Filled Balloon "Rise"? October, 1149–1150.
Ramos, B. L.; Miller, S.; Korfmacher, K. Implementation of a Geographic Information System in the Chemistry Laboratory: An Exercise in Integrating Environmental Analysis and Assessment. January, 50–53.
Ranck, J. P. Foundations of Physics for Chemists. Oxford Chemistry Primer No. 93 (by G. A. D. Ritchie and D. S. Sivia). (BMR) March, 268–270.
Ray, B.; Li, E.; Barnett, S. M. Pollution Prevention Guideline for Academic Laboratories. (ST) January, 45–49.
Retcofsky, H. L. Spectrum Analysis Discoverer? (Letter) September, 1003.
Rice, M. S.; Bourzac, K. M.; LaVine, L. J. Analysis of DAPI and SYBR Green I as Alternatives to Ethidium Bromide for Nucleic Acid Staining in Agarose Gel Electrophoresis. November, 1292–1296.
Rich, R. L. Correlation of Boiling Point with Molecular Surface Area (re *J. Chem. Educ.* **1999**, *76*, 688–693). (Letter) November, 1258.
Richardson, J. N.; Stauffer, M. T.; Henry, J. L. Microscale Quantitative Analysis of Hard Water Samples Using an Indirect Potassium Permanganate Redox Titration. (ML) January, 65–67.
Riecke, P.; Pence, L. E.; Workman, H. J. Effective Laboratory Experiences for Students with Disabilities: The Role of a Student Laboratory Assistant. March, 295–298.
Rigatuso, R.; Bertoluzzo, M. G.; Quattrin, F. E.; Bertoluzzo, S. M. Diffusion of Water through a Differentially Permeable Membrane. (*JCE* Classroom Activity) September, 1032A–1032B.
Rioux, F. Vibrational Analysis for C_{60} and Other Fullerenes (re *J. Chem. Educ.* **2000**, *77*, 775–780). (Letter) December, 1380.
Roberts, J. L., Jr.; Selco, J. I.; Wacks, D. B. The Analysis of Seawater: A Laboratory-Centered Learning Project in General Chemistry. January, 54–57.
Robinson, W. R. Chemistry Problem-Solving: Symbol, Macro, Micro, and Process Aspects. (ROJResLit) September, 973–982.
Robinson, W. R.; Lyle, K. S. Correction to "A Statistical Evaluation: Peer-led Team Learning in an Organic Chemistry Course" (re *J. Chem. Educ.* **2003**, *80*, 132–134). (Correction) April, 386.
Robinson, W. R.; Lyle, K. S. A Statistical Evaluation: Peer-led Team Learning in an Organic Chemistry Course. (ROJResLit) February, 132–134.
Rodríguez-Gattorno, G.; García-Sánchez, M. F.; M'Peko, J.; Ruiz-Salvador, A. R.; Echevarría, Y.; Fernández-Gutierrez, F.; Delgado, A. An Elementary Picture of Dielectric Spectroscopy in Solids: Physical Basis. September, 1062–1073.
Roehrig, G. H.; Luft, J. A.; Kurdziel, J. P.; Turner, J. A. Graduate Teaching Assistants and Inquiry-Based Instruction: Implications for Graduate Teaching Assistant Training. October, 1206–1210.
Rogerson, B. J. Effectiveness of a Daily Class Progress Assessment Technique in Introductory Chemistry. February, 160–164.
Rohrig, B.; Pinto, G. Use of Chloroisocyanuarates for Disinfection of Water: Application of Miscellaneous General Chemistry Topics. (RSA) January, 41–44.
Rosan, A. M. Green Chemistry: An Introductory Text (by Mike Lancaster). (BMR) October, 1141–1142.
Rosenthal, J.; Schuster, D. I. The Anomalous Reactivity of Fluorobenzene in Electrophilic Aromatic Substitution and Related Phenomena. June, 679–690.
Rowland, A. T. C–H and C–D Bonds: An Experimental Approach to the Identity of C–H Bonds by Their Conversion to C–D Bonds. March, 311–312.
Ruiz, A. Z.; Poulsen, L.; Pedersen, S. U.; Ogilby, P. R. Characterizing the Behavior and Properties of an Excited Electronic State: Electron-Transfer Mediated Quenching of Fluorescence. July, 819–821.
Ruiz-Salvador, A. R.; García-Sánchez, M. F.; M'Peko, J.; Rodríguez-Gattorno, G.; Echevarría, Y.; Fernández-Gutierrez, F.; Delgado, A. An Elementary Picture of Dielectric Spectroscopy in Solids: Physical Basis. September, 1062–1073.
Rusak, D. A.; Brown, L. M.; Martin, S. D. Classification of Vegetable Oils by Principal Component Analysis of FTIR Spectra. May, 541–543.
Ruths, T.; Chanteau, S. H.; Tour, J. M. Arts and Sciences Reunite in Nanoput: Communicating Synthesis and the Nanoscale to the Layperson. April, 395–400.
Rutkowsky, S.; Solomon, S.; Brook, B.; Bennet, J. Using Ice-Cooled Condensers in Chemistry Laboratory. March, 299–301.
Ryan, M.; Neuschatz, M.; Wesemann, J.; Boese, J. M. A Snapshot of Chemistry Programs and Faculty at Two-Year Colleges. (2YC$_3$) February, 129–131.
Rybolt, T. R.; Waddell, T. G. The Chemical Adventures of Sherlock Holmes: The Blackwater Escape. April, 401–406.

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Şahın, M.; Koca, A. Photocatalytic Hydrogen Production by Direct Sunlight: A Laboratory Experiment. November, 1314–1315.
Saint-Antonin, F. Visual Experiments Supporting Four Basic Concepts in Chemistry. (CFK) March, 288–291.
Salido, A.; Atterholt, C.; Bacon, J. R.; Butcher, D. J. An Environmental Focus Using Inductively Coupled–Plasma Optical Emission Spectrometry and Ion Chromatography. (NSF) January, 22–23.
Salido, A.; Butcher, D. J.; Brandt, P. F.; Norgaard, N. J.; Atterholt, C. Sparky IntroChem: A Student-Oriented Introductory Chemistry Course. (NSF) February, 137–139.
Salter, C. A Global Least-Squares Fit for Absolute Zero. September, 1033–1035.
Sanabria, D.; Montes, I.; Lai, C. Like Dissolves Like: A Classroom Demonstration and a Guided Inquiry Experiment for Organic Chemistry. April, 447–449.
Sánchez-Sánchez, C. M.; Expósito, E.; Solla-Gullón, J.; García-García, V.; Montiel, V.; Aldaz, A. Calculation of the Characteristic Performance Indicators in an Electrochemical Process. May, 529–533.
Sandberg, M.; Bellamy, M. K. Equilibrium. (*JCE* WebWare) April, 456.
Sanger, M. J. Flipping Pennies and Burning Candles: Adventures in Kinetics. (*JCE* Classroom Activity) March, 304A–304B.
Santagata, J. P.; Quintar, S. E.; Villegas, O. I.; Cortinez, V. A. Detection of Method Effects on Quality of Analytical Data: A Statistical Exercise. March, 326–329.
Sarquis, J. L.; Jones, R. F.; Holme, T. A. Executive Committee Report, April 2003. (DivCHED) July, 724–727.
Scerri, E. R. Philosophical Confusion in Chemical Education Research. (Commentary) May, 468–477.
Schelle, M. W.; Esteb, J. J.; Wilson, A. M. A Solvent-Free Oxidation of Alcohols in an Organic Laboratory. August, 907–908.
Schmid, R. The Noble Gas Configuration—Not the Driving Force but the Rule of Game in Chemistry. August, 931–937.
Schmidt, S.; Meyer, L. S.; Nozawa, F.; Panee, D. Using Demonstrations To Promote Student Comprehension in Chemistry. (TD) April, 431–435.
Schulz, P. C.; Clausse, D. An Undergraduate Physical Chemistry Experiment on Surfactants: Electrochemical Study of a Commercial Soap. September, 1053–1056.
Schuster, D. I.; Rosenthal, J. The Anomalous Reactivity of Fluorobenzene in Electrophilic Aromatic Substitution and Related Phenomena. June, 679–690.
Schwartz, A. T. Magick, Mayhem, and Mavericks: The Spirited History of Physical Chemistry (by Cathy Cobb). (BMR) July, 745–746.
Schwarzenbach, R. P.; Goss, K. Correction to "Rules of Thumb for Assessing Equilibrium Partitioning of Organic Compounds: Successes and Pitfalls" (re *J. Chem. Educ.* **2003**, *80*, 450–455). (Correction) July, 743.
Schwarzenbach, R. P.; Goss, K. Rules of Thumb for Assessing Equilibrium Partitioning of Organic Compounds: Successes and Pitfalls. April, 450–455.
Seetharaman, M.; Musier-Forsyth, K. Does Active Learning through an Antisense Jigsaw Make Sense? December, 1404–1407.
Seguin, M. J.; Charlesworth, P.; Chesney, D. J. Comparing the Titrations of Mixed-Acid Solutions Using Dropwise and Constant-Flow Techniques. November, 1311–1313.
Seiglie, C. A. Determination of Avogadro's Number by Improved Electroplating. June, 668–669.
Sein, H.; Ahmed, W.; Rajab, H.; Jackson, M. Chemical Vapor Deposition of Diamond Coatings onto Dental Burrs. (POC) June, 636–641.
Seitz, W. A.; Balaban, A. T. Relevance of Chemical Kinetics for Medicine: The Case of Nitric Oxide. June, 662–664.
Selco, J. I.; Roberts, J. L., Jr.; Wacks, D. B. The Analysis of Seawater: A Laboratory-Centered Learning Project in General Chemistry. January, 54–57.
Sell, C. S.; Duprey, R.; Lowe, N. D. The Chemistry of Fragrances: A Group Exercise for Chemistry Students. (TPCS) May, 513–515.
Serafin, J. M. Transfer Free Energy and the Hydrophobic Effect. October, 1194–1196.
Sgarbi, P. W.; Fujita, M.; Mah, H. M.; Lall, M. S.; Ly, T. W.; Browne, L. M. Separation of Acids, Bases, and Neutral Compounds. (*JCE* Software) January, 107–108.

Shachter, A. M. Integrating *Ethics in Science* into a Summer Undergraduate Research Program. May, 507–512.
Shafirovich, V.; Singh, C.; Geacintov, N. E. Photoinduced Oxidative DNA Damage Revealed by an Agarose Gel Nicking Assay: A Biophysical Chemistry Laboratory Experiment. November, 1297–1299.
Shannon, C.; Hudgins, S.; Qin, Y.; Bakker, E. Palm-Based Data Acquisition Solutions for the Undergraduate Chemistry Laboratory. (TICI) November, 1303–1307.
Shaw, D. B. Inorganic Nomenclature. (*JCE* Software) June, 711.
Shaw, D. B.; Yindra, L. R. Organic Nomenclature. (*JCE* Software) October, 1223–1224.
Shibley, I. A., Jr.; Milakofsky, L. M.; Bender, D. S.; Patterson, H. O. College Chemistry and Piaget: An Analysis of Gender Difference, Cognitive Abilities, and Achievement Measures Seventeen Years Apart. (CER) May, 569–573.
Sigalas, M. P.; Charistos, N. D.; Teberekidis, V. I.; Tsipis, C. A. 3DNormalModes. (*JCE* Software) October, 1222–1223.
Silverstein, T. P. Ant Velocity Hypotheses (re *J. Chem. Educ.* **2000,** *77,* 183–185). (Letter) November, 1257.
Singh, C.; Shafirovich, V.; Geacintov, N. E. Photoinduced Oxidative DNA Damage Revealed by an Agarose Gel Nicking Assay: A Biophysical Chemistry Laboratory Experiment. November, 1297–1299.
Sinniah, K.; Aumann, K.; Muyskens, K. J. Visualizing Atoms, Molecules and Surfaces by Scanning Probe Microscopy. February, 187–193.
Sithambaresan, M.; Hoole, D. Analytical Chemistry Labs with Kits and CD-Based Instructions as Teaching Aids for Distance Learning. November, 1308–1310.
Sittidech, M.; Street, S. Environmental Analysis in the Instrumental Lab: More Than One Way…. (NSF) April, 376–377.
Slabaugh, M. R.; Davidson, C. F. Salt Crystals—Science behind the Magic. February, 155–156.
Slater, T. F.; Talanquer, V.; Novodvorsky, I.; Tomanek, D. A Stronger Role for Science Departments in the Preparation of Future Chemistry Teachers. October, 1168–1171.
Slezak, J. Encouraging Science Careers—Student Inspired Research. (Letter) November, 1257.
Smith, B. C.; Lang, P. F. Ionization Energies of Atoms and Atomic Ions. August, 938–946.
Smith, B. D.; Jacobs, D. C. TextRev: A Window into How General and Organic Chemistry Students Use Textbook Resources. (CER) January, 99–102.
Smith, C. A.; Villaescusa, F. W. Simulating Chromatographic Separations in the Classroom. September, 1023–1025.
Smith, W. R.; Missen, R. W. Mass Conservation Implications of a Reaction Mechanism. July, 833–838.
Solla-Gullón, J.; Sánchez-Sánchez, C. M.; Expósito, E.; García-García, V.; Montiel, V.; Aldaz, A. Calculation of the Characteristic Performance Indicators in an Electrochemical Process. May, 529–533.
Solomon, S.; Brook, B.; Rutkowsky, S.; Bennet, J. Using Ice-Cooled Condensers in Chemistry Laboratory. March, 299–301.
Somerville, A. N.; Cardinal, S. K. An Integrated Chemical Information Program. (CII) May, 574–579.
Sommer, A. J.; Patterson, B. M.; Danielson, N. D.; Lorigan, G. A. Analytical Molecular Spectroscopy Using Modular Systems. (CET) December, 1460–1463.
Sottofattori, E.; Raggio, R.; Bruno, O. Milk as a Drug Analysis Medium: HPLC Determination of Isoniazid. May, 547–549.
Sowa, S.; Kondo, A. E. Sailing on the "C": A Vitamin Titration with a Twist. May, 550–551.
Spector, T. I. The Art of Chemistry: Myths, Medicines, and Materials (by Arthur Greenberg). (BMR) June, 616–617.
Spector, T. I. Envisioning Science: The Design and Craft of The Science Image (by Felice Frankel). (BMR) March, 264–266.
Spencer, J. N.; Lowe, J. P. Entropy: The Effects of Distinguishability. December, 1417–1424.
Stabile, R. G.; Dicks, A. P. Microscale Synthesis and Spectroscopic Analysis of Flutamide, an Antiandrogen Prostate Cancer Drug. (ML) December, 1439–1443.
Stabile, R. G.; Dicks, A. P. Semi-Microscale Williamson Ether Synthesis and Simultaneous Isolation of an Expectorant from Cough Tablets. (ML) March, 313–315.
Stauffer, M. T.; Richardson, J. N.; Henry, J. L. Microscale Quantitative Analysis of Hard Water Samples Using an Indirect Potassium Permanganate Redox Titration. (ML) January, 65–67.
Steehler, J. K. Instant Notes: Analytical Chemistry (by D. Kealey and P. J. Haines). (BMR) March, 267–268.
Steehler, J. K. Nanocosm: Nanotechnology and the Big Changes Coming from the Inconceivably Small (by William Illsey Atkinson). (BMR) December, 1384.
Stephens, J. C.; Huddle, B. P. Analysis of Carbon Monoxide in Blood. April, 441–443.
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